7-29-05

PTO/SB/21 (04-04)

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Approved for use through 07/31/2006. OMB 0651-0031

T	RANSMITTAL
	FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/805,499	
Filing Date	March 19, 2004	
First Named Inventor	Akiyoshi AOYAGI	
Art Unit	2814	-
Examiner Name	To Be Assigned	
Attorney Docket Number	9319S-000701	

FNOLOGUES (About all the founds)						
	· · · · · · · · · · · · · · · · · · ·	ENCLUSU	RES (check all that apply)	г		
Fee Transmittal F	Form	Drawing(s)		After Allowance Communication to Technology Center (TC)		
Fee Attached	i	Licensing-r	elated Papers	Appeal Communication to Board of Appeals and Interferences		
Amendment / Re	ply	Petition		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)		
After Final		_	Convert to a Application	Proprietary Information		
Affidavits/dec	claration(s)		ttorney, Revocation Correspondence Address	Status Letter		
Extension of Time	e Request	Terminal D	isclaimer	Other Enclosure(s) (please identify below):		
Express Abandonment Request		Request for Refund CD, Number of CD(s)		Form 1449; Acknowledgement Postcard		
Information Disclosure Statement						
Certified Copy of Priority Document(s)		Remarks The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 50-3213 (Epson R & D). A duplicate copy of this sheet is enclosed.				
Response to Miss Incomplete Applic						
Response to Missing Parts under 37 CFR 1.52 or 1.53						
	SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT					
Firm <i>or</i> Individual name	or Harness, Dickey & Pierce, P.L.C.		Attorney Name G. Gregory Schivley Bryant E. Wade	Reg. No. 27,382 40,344		
Signature	Start I black					
Date	July 28, 2005					
CERTIFICATE OF TRANSMISSION/MAILING						

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	G. Gregery Schivley Bryant E. Wade	Express Mail Label No.	EV 570 164 659 US
Signature	State 7. Weell	Date	July 28, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

2814

PTO/SB/17 (12-04)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Š	CEE TO A NOMITTAL	Complete if Known				
7	FEE TRANSMITTAL	Application Number	10/805,499			
	for FY 2005	Filing Date	March 19, 2004			
	Effective 10/01/2004. Patent fees are subject to annual revision.	First Named Inventor	Akiyoshi AOYAGI			
		Examiner Name	To Be Assigned			
Applicant claims small entity status. See 37 CFR 1.27		Art Unit	2814			

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2. EXTRA CLA	IM FEES FOR UTIL							-	under 37 CFR 1.17 (q) nformation Disclosure	
	Extra Claims	Fee from below	Fee Paid	1806	180	1806	180	Stmt	MOTHER OF DISCIOSURE	180
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SUBMITTED BY	SUBMITTED BY Complete (if applicable)									
Name (Print/Type)	G. Gregory Schivle	DY / F	egistration No. httorney/Agepti		273			-		
	Bryant 5. Wede	15 10			403	144	-	Telephone	(248) 641-1600	
Signature Supply 1. Cash								Date	July 28, 2005	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

olication No.:

10/805,499

Filing Date:

March 19, 2004

Applicant:

Akiyoshi AOYAGI

Group Art Unit:

2814

Examiner:

To Be Assigned

Title:

SEMICONDUCTOR DEVICE, SEMICONDUCTOR PACKAGE, ELECTRONIC DEVICE, ELECTRONIC APPARATUS, AND MANUFACTURING METHODS OF SEMICONDUCTOR

DEVICE AND ELECTRONIC DEVICE

Attorney Docket:

9319S-000701

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. <u>LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION</u>

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

	1449 or on the copies of previously cited by of	of PTO-892, but which or submitted to the	rmation which are listed on Form are not enclosed herewith, were PTO in one of the following r an earlier filing date under 35
	U.S. Serial Nu	mber	U.S. Filing Date
	United States. A copy Examiner's information report are listed on the and for listing on any p Search report was from these references should	of the International Solution. The documents list attached Form 1449 for attached resulting from the US, EPO, or Jid have been supplied.	ry of the National Phase in the search Report is attached for the sted on the International Search or consideration by the Examiner is application. If the International PO search authorities, copies of to the USPTO under the trilateral of the above-identified application.
III.	CONCISE EXPLANAT	ON OF THE RELEVA	NCE (check at least one box)
			B), all of the patents, publications guage (concise explanation not
		I that is not in the Eng	ce of each patent, publication or glish language is as follows (see
	1. ☐ See the a counterpart fore		nt office communication from a
	2. ☐ English tra Form HDP-1499	•	d: as indicated on the attached
	3. Cother:		
	C. The following a consideration.	additional information	is provided for the Examiner's
IV.	CROSS REFERENCE	TO RELATED APPLIC	CATION(S)
	contain(s) subject matt bringing this(these) ap	ter that may be related polication(s) to the Ex	lowing co-pending application(s) d to the present application. By xaminer's attention, Applicant(s) ons of 35 U.S.C. § 122.
	Serial No.	Filing Date	Art Unit

•	THIS IDS IS BEING FILED UNDER
	A.
	1. within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
	2. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
	• 3. before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
	4. Defore the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
	B. 37 C.F.R. § 1.97(c): (check <u>only</u> one box)
	before the mailing date of either any Final Office Action under 37 C.F.R § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
	1. \boxtimes No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
	2. See the certification below. No fee is required.
	C. 37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
۱.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A. \square each item of information contained in this IDS was first cited in a

Serial No. 10/805,499

not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or B. no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)). C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS. VII. STATEMENT UNDER 37 C.F.R. 1.704(d) The undersigned hereby states that: each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS. VIII. PAYMENT OF FEES (check only one box) A. A check in the amount of \$180.00 is enclosed for the above identified fee. B. Please charge Deposit Account No. 50-3213 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached. The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-3213.

Disclosure Statement shall not be construed as a representation that a search has

been made.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 50-3213.

Respectfully submitted,

Dated: July 28, 2005

G. Gregory Schivley Reg. No. 27,382

Bryant E. Wade Reg. No. 40,344

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

GGS/BEW/jmz

RM HDP-1449 (Based on Form PTO-1449)

(- 1111)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET No.	SERIAL NO.
9319S-000701	10/805,499
APPLICANT	· · · · · · · · · · · · · · · · · · ·
Akiyoshi AOYAGI	
FILING DATE	GROUP
March 19, 2004	2814

U.S. P	U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date	
1.		6,882,232	4/2005	Harima, Hidenori			
2.		6,781,241	8/2004	Nishimura, et al.			
3.		6,774,467	8/2004	Horiuchi, et al.			
4.		2004/0135243	7/2004	Aoyagi, Akiyoshi			
5.		6,586,832	7/2003	Shibata, et al.			
6.		6,507,098	1/2003	Lo, et al.			
7.		2003/0022465	1/2003	Wachtler, Kurt P.			
8.		6,461,881	10/2002	Farnworth, et al.			
9.		6,442,026	8/2002	Yamaoka, Yoji			
10.		6,404,049	6/2002	Shibamoto, et al.			
11.		2002/0079568	6/2002	Degani, et al.			
12.		6,369,444	4/2002	Degani, et al.			
13.		2001/0015488	8/2001	Akram, et al.			
14.		6,239,383	5/2001	Lin, Patrick			
15.		6,122,171	9/2000	Akram, et al.			
16.		5,973,392	10/1999	Senba, et al.			
17.		5,834,848	11/1998	Iwasaki, Ken			
18.		5,120,678	6/1992	Moore, et al.			

FOREIGN PATENT DOCUMENTS							
Ref. Desia.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translat Yes	
1.	mittais	Number	Date	Country	Subciass	res	No_

Examiner:	Da	ate Considered: